

# Comparisons of Job Characteristics

**Focus Occupation:** Supervisors of Construction and Extraction Workers (47-1011)

**Associated Occupation:** Continuous Mining Machine Operators (47-5041)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 59

**Focus Occupation:** Supervisors of Construction and Extraction Workers (47-1011)

**Associated Occupation:** Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	18.0	13.9	<<	Extensive education and/or training may be required
Production and Processing	6.0	15.2	9.5	<<	Extensive education and/or training may be required
Transportation	4.6	12.7	5.6	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	11.8	10.2	<	Expanded education and/or training may be required
Law and Government	5.9	11.4	6.0	<<	Extensive education and/or training may be required
Physics	4.3	9.5	5.8	<<	Extensive education and/or training may be required
Geography	3.9	9.3	3.7	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.1	16.9	>>	Current knowledge level is likely more than sufficient
Telecommunications	3.9	7.8	3.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 20

**Focus Occupation:** Supervisors of Construction and Extraction Workers (47-1011)

**Associated Occupation:** Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
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Operation and Control	5.4	13.3	7.2	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	13.2	7.7	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.1	5.1	<<	Extensive development of skills in this area may be required
Repairing	3.4	9.6	4.4	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	8.9	6.1	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	5.6	6.9	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 27			
Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011) Associated Occupation: Continuous Mining Machine Operators (47-5041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	14.6	7.9	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	13.2	6.8	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	13.2	5.3	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	12.0	6.9	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	11.5	6.4	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	11.3	6.6	<<	Extensive improvement in abilities may be required
Rate Control	3.8	11.2	3.8	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	11.2	4.4	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	7.2	3.8	<<	Extensive improvement in abilities may be required
Night Vision	2.1	7.2	2.8	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	7.2	2.4	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 30
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**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**  
**Associated Occupation: Continuous Mining Machine Operators (47-5041)**

Work Activities	Exclusivity of Activity
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

**Similarity of Focus Occupation to Associated Occupation: 44**

**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**  
**Associated Occupation: Continuous Mining Machine Operators (47-5041)**

Tools and Technologies	Exclusivity
Dispensing tools	6
Earth moving machinery	11
Face and head protection	7
Forming tools	2
Hearing protectors	12
Holding and clamping tools	3
Information exchange software	1
Lifting equipment and accessories	3
Measuring and layout tools	3
Power tools	2
Respiratory protection	6
Safety apparel	4
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.